Title (en)
ENHANCED HEAT TRANSFER REFORMER AND METHOD

Publication
EP 0171786 B1 19900321 (EN)

Application
EP 85110117 A 19850812

Priority
US 64181984 A 19840816

Abstract (en)
[origin: EP0171786A2] A method and apparatus are described for reforming hydrocarbons, particularly natural gas, to form hydrogen wherein the reformation is performed in a reactor in which the heat of reformed products are utilized to reform the hydrocarbons in a catalytic tube reformer. The reformer can be used in conjunction with a traditional steam reformer to produce hydrogen with less energy consumption, lower steam production and less capital cost.

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CPC (source: EP KR US)
B01J 8/062 (2013.01 - EP US); **B01J 8/067** (2013.01 - EP US); **C01B 3/38** (2013.01 - KR); **C01B 3/382** (2013.01 - EP US); **C01B 3/384** (2013.01 - EP US); B01J 2208/00088 (2013.01 - EP US); B01J 2208/00274 (2013.01 - EP US); B01J 2208/00309 (2013.01 - EP US); B01J 2208/00495 (2013.01 - EP US); B01J 2208/00504 (2013.01 - EP US); B01J 2208/0053 (2013.01 - EP US); C01B 2203/0811 (2013.01 - EP US); C01B 2203/0816 (2013.01 - EP US); C01B 2203/0822 (2013.01 - EP US); C01B 2203/0827 (2013.01 - EP US); C01B 2203/0844 (2013.01 - EP US); C01B 2203/0866 (2013.01 - EP US); C01B 2203/141 (2013.01 - EP US); C01B 2203/146 (2013.01 - EP US); Y02P 20/10 (2015.11 - EP US)

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WO2010086635A1; KR20190092500A; DE3605811A1; EP2979752A1; EP0483795A1; EP1935847A1; EP0423905A3; EP0278891A1; EP0271299A3; AU598074B2; EP0330751A3; DE3806408A1; DE19954871A1; NL8702706A; EP0382442A3; EP0360505A3; US5164163A; EP0334540A3; US11661340B2; US11420179B2; WO2006117572A1; WO2016018146A1; WO2018104526A1; US7422706B2; US8747806B2

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